What is claimed is:

- 1. A method for fabricating media having contaminant-sorbent and antimicrobial properties, the method comprising:
 - (a) irrigating a multitude of contaminant-sorbent polymer particles with a solution containing an antimicrobial compound;

wherein

- (b) the antimicrobial compound and the polymer of the particles are reactive together; and
- (c) the polymer is substantially phobic to water and to the solution; whereby the antimicrobial compound grafts onto the polymer particles and, upon contact with water, the polymer particles sorb contaminants from the water and reduce proliferation of microbial organisms.
- 2. The method of claim 1 wherein irrigating particles comprises irrigating a multitude of loose granules or fragment with the solution, wherein substantially all surfaces of each individual particle is exposed to the solution.
- 3. The method of claim 1 wherein irrigating particles comprises irrigating a multitude of polymer particles that are hydrocarbon-sorbent.
- **4.** The method of claim 3 further comprising:

- (a) substantially drying the solution from polymer particles that are granules; and
- (b) extruding the polymer particles into fragments of filter media.
- 5. The method of claim 4 further comprising supporting the fragments about an open recess within a filter module, whereby the filter module is capable of both removing oil from water passing into the open recess and reducing proliferation of microbial organisms.
- **6.** The method of claim 1 wherein providing the solution comprises providing, dissolved in water, a quantity of an organosilane compound not susceptible to self-condensation in water.
- 7. The method of claim 6 further comprising dissolving the organosilane compound in the water to prepare the solution.
- 8. The method of claim 1 wherein irrigating the polymer particles with the solution comprises immersing the particles in a static volume of the solution for a predetermined period of time.
- 9. The method of claim 1 wherein:
 - (a) irrigating the polymer particles comprises irrigating particles substantially consisting of a mixture of:

- (1) particles of styrene-butadiene-styrene or hydrogenated styrenic block copolymer; and
- (2) particles of ethylene propylene monomer or ethylene propylene diene monomer;
- (b) the particles of ethylene propylene monomer or ethylene propylene diene monomer comprise about 10-30% of the mixture, by weight; and
- (c) the particles of styrene-butadiene-styrene or hydrogenated styrenic block copolymer are comprised of about 25-45% styrene and are in the range of about 4-20 mesh.

10. A fragment of filter media comprising:

- (a) an oil-sorbent, hydrophobic copolymer in a matrix of compliant, hydrophobic, olefinic polymer; and
- (b) an antimicrobial compound grafted to the copolymer and polymer; whereby the fragment is capable of both sorbing oil from surrounding water and reducing proliferation of microbial organisms.

11. The fragment of claim 10 wherein:

(a) the antimicrobial compound is an organosilane compound not susceptible to self-condensation in water;

- (b) the compliant, hydrophobic polymer is ethylene propylene monomer or ethylene propylene diene monomer; and
- (c) the oil-sorbent, hydrophobic copolymer is styrene-butadiene-styrene or hydrogenated styrenic block copolymer.

12. A filter system comprising:

- (a) a multitude of irregular, macroscopic fragments comprised of an oil-sorbent, hydrophobic copolymer in a matrix of compliant, hydrophobic polymer;
- (b) an antimicrobial compound grafted to the fragments; and
- (c) a filter module supporting the fragments adjacent to an aperture; whereby the filter system is capable of both sorbing oil from water passing into contact with the fragments via the aperture and reducing proliferation of microbial organisms.
- **13.** The filter system of claim 12 wherein the antimicrobial compound is an organosilane compound not susceptible to self-condensation in water.

14. The filter system of claim 12 wherein:

- (a) the compliant, hydrophobic polymer is ethylene propylene monomer or ethylene propylene diene monomer; and
- (b) the oil-sorbent, hydrophobic copolymer is styrene-butadiene-styrene or hydrogenated styrenic block copolymer.

- **15.** A method for improving chemical and biological purity of a water stream containing contaminants, the method comprising directing flow of the water stream through interstices of a multitude of irregular, macroscopic fragments that:
 - (a) are hydrophobic but sorbent of the contaminants; and
 - (b) have antimicrobial compound on their surfaces;

whereby one or more targeted contaminants are sorbed from the water and proliferation of microbial organisms is reduced.

- **16.** The method of claim 15 wherein, prior to directing flow of the water stream, the water stream contains hydrocarbons and wherein the fragments are sorbent of hydrocarbons.
- 17. The method of claim 16 wherein directing flow comprises directing flow of the water through fragments further comprised of:
 - (a) a matrix of compliant, hydrophobic polymer; and
 - (b) an oil-sorbent, hydrophobic copolymer in the matrix.
- **18.** The method of claim 17 wherein directing flow comprises directing flow of the water through fragments further comprised of an antimicrobial compound grafted to:
 - (a) a portion of the polymer of the matrix; and
 - (b) a portion of the oil-sorbent, hydrophobic copolymer in the matrix.

- 19. The method of claim 18 wherein directing flow comprises directing flow of the water through fragments whereinthe antimicrobial compound grafted thereto comprises an organosilane compound not susceptible to self-condensation in water.
- **20.** The method of claim 18 wherein directing flow comprises directing flow of the water through fragments wherein:
 - (a) the compliant, hydrophobic polymer consists of ethylene propylene monomer or ethylene propylene diene monomer; and
 - (c) the oil-sorbent, hydrophobic copolymer consists of styrene-butadiene-styrene or hydrogenated styrenic block copolymer.